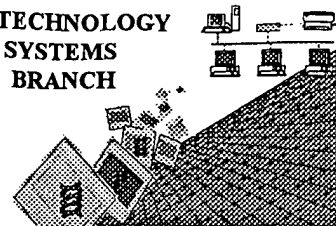


ef

BIOTECHNOLOGY
SYSTEMS
BRANCH**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/647,111
Source: OP2
Date Processed by STIC: 9/3/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING

DATE: 09/03/2003

PATENT APPLICATION: US/10/647,111

TIME: 10:38:36

Input Set : A:\pto.yf.txt

Output Set: N:\CRF4\09032003\J647111.raw

2 <110> APPLICANT: BTG International Ltd
 3 Iggo, Richard
 4 Malerba, Maddalena
 W--> 5 <120> TITLE OF INVENTION: ANTI-NEOPLASTIC VIRUSES
 W--> 6 <130> FILE REFERENCE: 144240WO
 W--> 7 <140> CURRENT APPLICATION NUMBER: *GB 10/647,111*
 C--> 8 <141> CURRENT FILING DATE: 2003-08-25
<160> insert this mandatory numeric identifier and response

replace with Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES

10 <213> ORGANISM: Parvovirus H1\MVM (phH1)
 E--> 11 <212> TYPE: Type : DNA
 12 <211> LENGTH: Length : 5121
 W--> 13 SequenceName : Parvovirus H1\MVM (phH1)
 W--> 14 SequenceDescription : Parvovirus H1 with promoter P4 and left hairpin from MVM
 W--> 15 (phH1-
 W--> 0 <160> NUMBER OF SEQ ID NOS:
 W--> 16 <210> SEQ ID NO:
 W--> 16 <400> SEQUENCE:

17	aaactccctg	aaccgcttat	cattttttaga	actgaccaac	catgttcacg	taagtgcagt	60
18	gatgacgcgc	gctgcgcgcg	gcgcttcgga	cgtcacacgt	cacttacgtt	tcacatgggt	120
19	ggtcagttct	aaaaatgata	agcggttcag	ggagtttaaa	ccaaggcgcg	aaaaggaagt	180
20	gggctgtggt	taaagtatat	aagcaactac	tgaagtcagt	tacttatctt	ttctttcatt	240
21	ctgtgagtcg	agacgcacag	aaagagagta	accaactaac	catggctgga	aatgcttact	300
22	ctgatgaagt	tttgggagca	accaactggt	taaaggaaaa	aagtaaccag	gaagtgttct	360
23	catttgtttt	taaaaatgaa	aatgtttcaac	tgaatggaaa	agatatcgga	tggaatagtt	420
24	acaaaaaaga	gctgcaggag	gacgagctga	aatctttaca	acgaggagcg	gaaactactt	480
25	gggaccaaag	cgaggacatg	gaatgggaaa	ccacagtgga	tgaaatgacc	aaaaagcaag	540
26	tattcatttt	tgattctttg	gttaaaaaat	gtttatttga	agtgtctaac	acaaagaata	600
27	tatttcctgg	tgatgttaat	tggtttgtgc	aacatgaatg	gggaaaagac	caaggctggc	660
28	actgccatgt	actaattgga	ggaaaggact	ttagtcaagc	tcaagggaaa	tggtggagaa	720
29	ggcaactaaa	tgtttactgg	agcagatggt	tggtaacagc	ctgtaatgtg	caactaacac	780
30	cagctgaaag	aattaaacta	agagaaatag	cagaagacaa	tgagtggggt	actctactta	840
31	cttataagca	taagcaaacc	aaaaaagact	ataccaagtg	tggtcttttt	ggaaacatga	900
32	ttgcttacta	tttttttaact	aaaaagaaaa	taagcactag	tccaccaaga	gacggaggct	960
33	attttcttag	cagtgcactct	ggctggaaaa	ctaacttttt	aaaagaaggc	gagcgccatc	1020
34	tagtgagcaa	actgtatact	gatgagatga	aaccagaaac	ggtcgagacc	acagtgacca	1080
35	ctgcacagga	agctaagcgc	ggcagaattc	aaactagaga	ggaggtctcg	attaaaacca	1140
36	cactcaaaga	gttggtacat	aaaagagtaa	cctcaccaga	agactggatg	atgatgcagc	1200
37	cagacagtta	cattgaaatg	atggctcaac	caggtggaga	aaacttgctt	aaaaatacac	1260
38	tagagatctg	tacactgact	ctagcaagaa	ccaaaacagc	ctttgacttg	attctggaaa	1320
39	aagctgaaac	cagcaaacta	gccaaacttt	ccatggctag	caccagaacc	tgtagaatct	1380

See p.2 for explanation

10/647,111

2

Insert
this header.
No
response.

<2107 1- move under <2127

<213> Parvovirus H1\MVM (phH1)

<212> Type: DNA

<211> Length: 5121 move this under <2107

SequenceName: Parvovirus H1\MVM (phH1) delete

<2207

<223> SequenceDescription: Parvovirus H1 with promoter P4 and left hairpin from MVM (phH1-

<400> 1 ← insert

aaactccctg aaccgcttat catttttaga actgaccaac catgttcacg taagtgcgt 60

(partial listing of nucleotides)

Insert
<223>
before explanation of organism

l.g. <2107 1

<2117 5121

<2127 DNA

<2137 Parvovirus H1\MVM(phH1)

<4007 1

See sample Sequence Listing (attached) for valid format

Suggestion: see Sequence Rules

<110> Smith, John; Smithgene Inc.
 <120> Example of a Sequence Listing
 <130> 01-00001
 <140> PCT/EP98/00001
 <141> 1998-12-31
 <150> US 08/999,999
 <151> 1997-10-15
 <160>
 <170> PatentIn version 2.0
 <210> 1
 <211> 389
 <212> DNA
 <213> Paramecium sp.
 <220>
 <221> CDS
 <222> (279)...(389)
 <300>
 <301> Doe, Richard
 <302> Isolation and Characterization of a Gene Encoding a
 Protease from Paramecium sp.
 <303> Journal of Genes
 <304> 1
 <305> 4
 <306> 1-7
 <307> 1988-06-31
 <308> 123456
 <309> 1988-06-31
 <400>
 agctgtagtc attcctgtgt cctcttctct ctgggcttct caccctgcta atcagatctc 60
 agggagagtg tcttgacctt cctctgcctt tgcagcttca caggcaggca ggcaggcagc 120
 tgaatgtggca attgctggca gtgccacagg ctttccagcc aggccttaggg tgggttccgc 180
 cgcggcgcgg cggccctctt cgcgctcttc tcgcgcctct ctctcgtctt cctctcgtct 240

Please consult

(Annex VIII follows)

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.	M
<213>	Organism	Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.	M
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

		in feature	base was used in a sequence
<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<300>	Publication Information	Leave blank after <300>	0
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	0
<302>	Title		0
<303>	Journal		0
<304>	Volume		0
<305>	Issue		0
<306>	Pages		0
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MM-yyyy or Season-yyyy	0
<308>	Database Accession Number	Accession number assigned by database including database name	0
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MM-yyyy	0
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	0

<311>	Patent Filing Date	Document filing date, for patent- type citations only; specify as yyyy-mm-dd	0
<312>	Publication Date	Document publication date, for patent-type citations only; specify as yyyy-mm-dd	0
<313>	Relevant Residues	FROM (position) TO (position)	0
<400>	Sequence	SEQ ID NO should follow the numeric identifier and should appear on the line pre- ceding the actual sequence	M

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;